



U.S. Patent Application Serial No. 10/790,208
Amendment filed December 12, 2005
Reply to OA dated June 13, 2005
Replacement Sheet

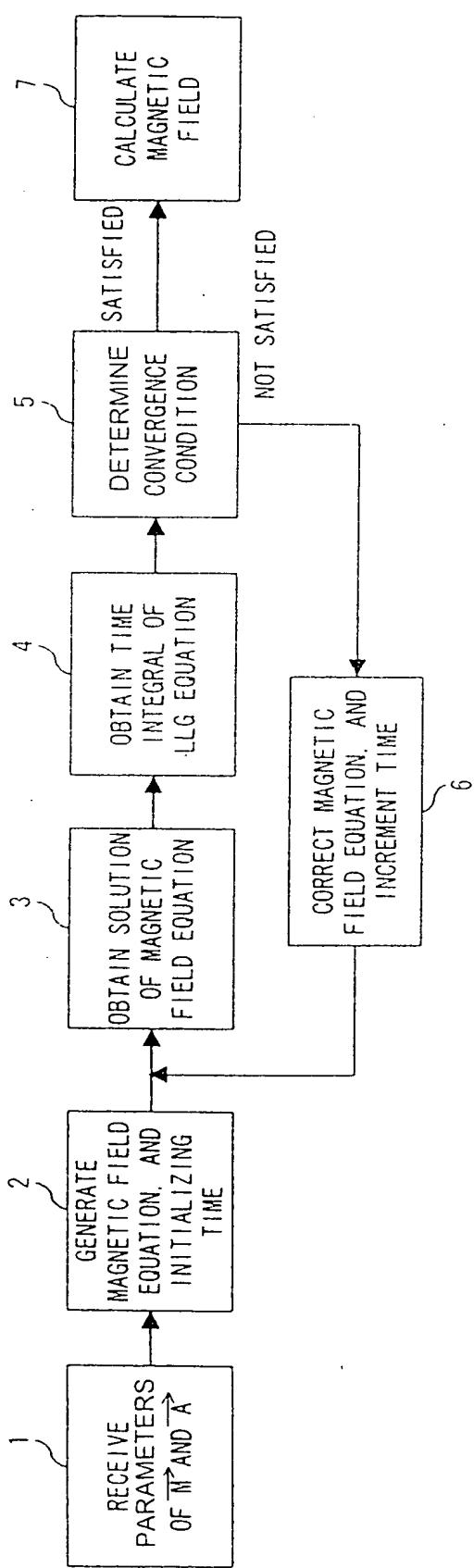


FIG. 1

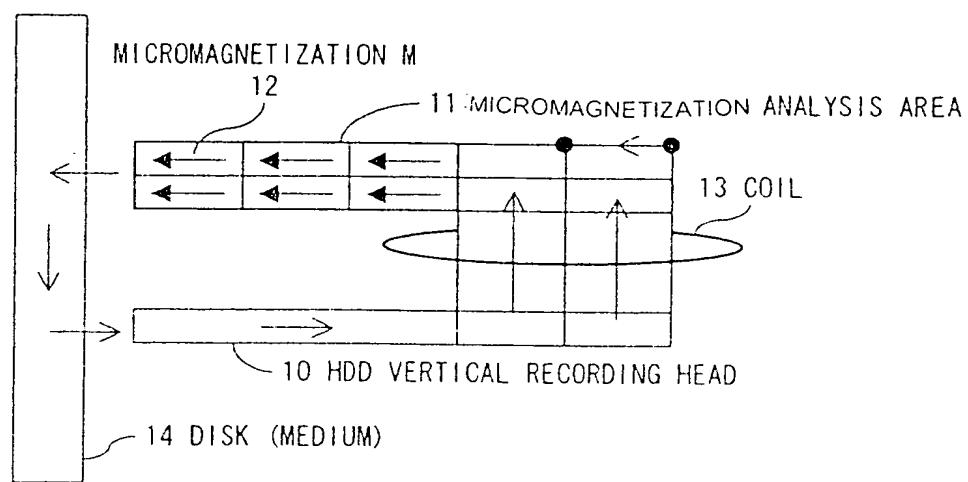


FIG. 3

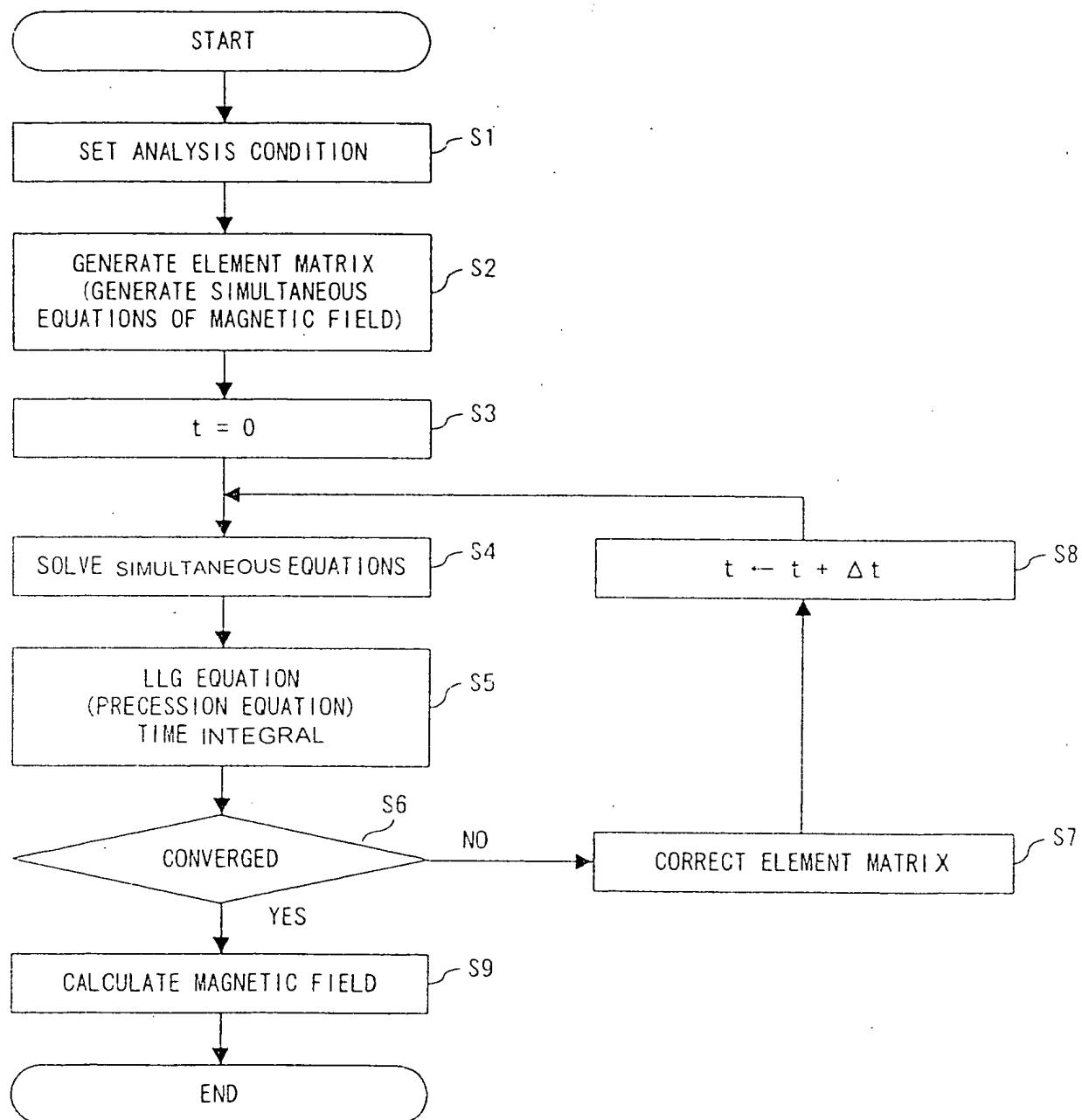
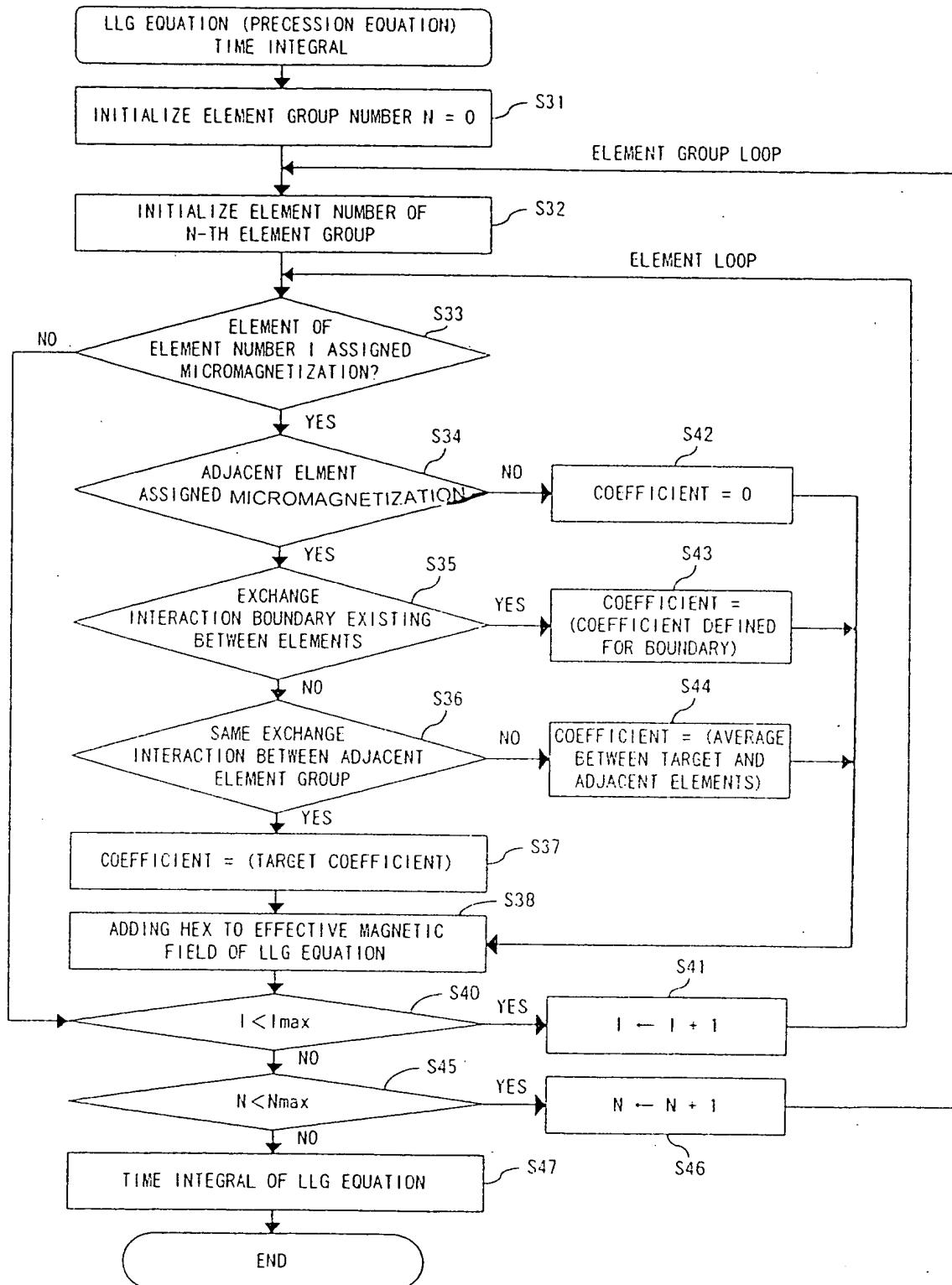


FIG. 4



F I G. 11

SETTING GROUP CONDITON (MICROMAGNETITATION ANALYSIS) X

No = 2	NAME = US	MICROMAGNETITATION VARIABLE			
		FACILITY	EXCHANGE	114	
		AXIS MAGNETIC FIELD (Oe)	5.000E+00 COEFFICIENT (J/M)		
		MAGNETIZATION INTENSITY (T)	1.000E+00	FRICITION COEFFICIENT 1.000E+00	
MATERIAL SELECTION		OPTION			
103		104	FACILITY AXIS DIRECTION		
			<input type="checkbox"/> RANDOM	<input type="checkbox"/> ARRAY	
			106		<input checked="" type="radio"/> 3-DIMENSIONAL
					<input type="radio"/> ON X-Y PLANE
					<input type="radio"/> ON Y-Z PLANE
					<input type="radio"/> ON Z-X PLANE
MAGNETIZATION		116			
<input type="checkbox"/> FORCIBLE	<input type="checkbox"/> FORCED				
X COMPONENT	1.000E+00				
Y COMPONENT	0.000E+00				
Z COMPONENT	0.000E+00				
115					
FEATURES OF MAGNETIC FILM					
117					
MAGNETIC PERMEABILITY		X COMPONENT	1.000E+00	118	
DIELECTRIC CONSTANT (1/Ωm)		Y COMPONENT	0.000E+00		
MAGNETIZATION INTENSITY (T)		Z COMPONENT	0.000E+00		
MAGNETIZATION X-COMPONENT		RANDOM RATIO	0.000E+00		
MAGNETIZATION Y-COMPONENT		111			
MAGNETIZATION Z-COMPONENT					<input type="checkbox"/> BOND ELEMENT
ID FOR QUASISTATIONARY CALCULATION				<input checked="" type="radio"/> Hexc(erg/cm ²)	<input type="radio"/> Hin, Hua(Oe)
NUMBER OF DIVISIONS OF MAGNETIZATION INTENSITY		0 ◀ ▶	0.000E+00		
112		113			
OK CANCELED					

SETTING BOUNDARY/ CONDITION (MICROMAGNETIZATION ANALYSIS) X

No = NAME =

119 { BOUNDARY FOR MAGNETIC FIELD CALCULATION

NO SETTINGS
EXTERNAL BOUNDARY
SYMMETRIC BOUNDARY
POTENTIAL BOUNDARY

120 { BOUNDARY FOR EXCITING CURRENT

SPECIFY POTENTIAL (V)
SPECIFY CURRENT (A)
0.000E+00

121 { EXCHANGE INTERACTION

EXCHANGE INTERACTION
COEFFICIENT/MAGNETIC FIELD
EXCHANGE COEFFICIENT (J/m)
0.000E+00

122 { MAGNETIZATION VECTOR FIXING

Ax =
Ay =
Az =

123 { ϕ =

124 { ϕ_m =

125 { X DIRECTION FIXING
Y DIRECTION FIXING
Z DIRECTION FIXING

126 { ID FOR SEMI-STEADY CALCULATION

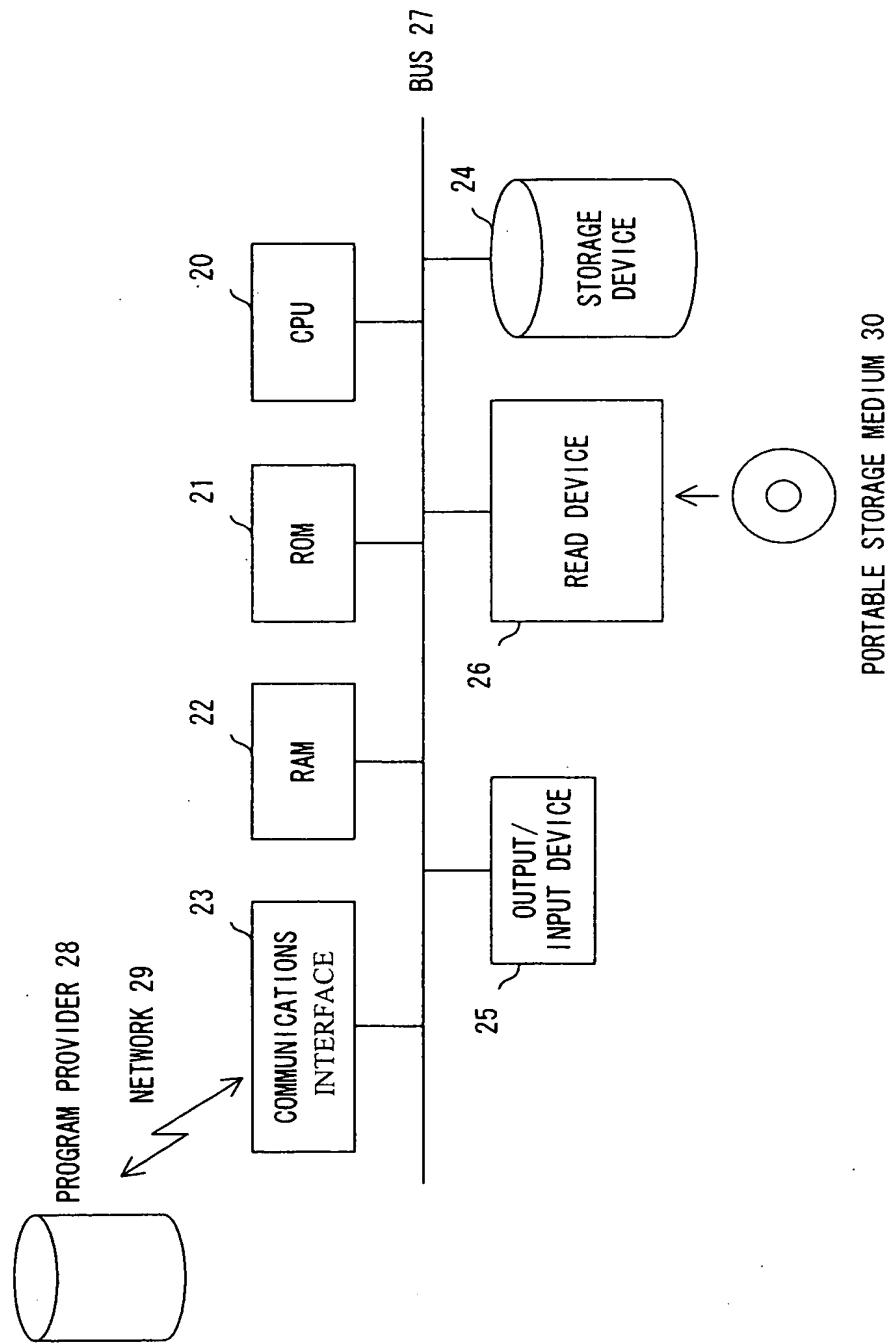


FIG. 16